

19980620.qrp v01_n128.qrs.980620

Date: Sat, 20 Jun 1998 19:03:17 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1128

QRP-L Digest 1128

Topics covered in this issue include:

- 1) [13461] Gap review in Rad Com
by "rohre" <rohre@arlut.utexas.edu>
- 2) [13462] FS: commodore items
by w0yse@juno.com (Neil Klagge)
- 3) [13463] Another answer for power out
by "rohre" <rohre@arlut.utexas.edu>
- 4) [13464] Re: FS: commodore items
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 5) [13465] Re: Gap review in Rad Com
by "Terry Bassett" <mutabut@net66.com>
- 6) [13466] Thanks, guys!!!!
by "C. Lamar Derk" <n3at@epix.net>
- 7) [13467] New Call
by Frank Kienast <fgk@gte.net>
- 8) [13468] Antennas West, GOOD NEWS
by Jerry Parker <jparker@fix.net>
- 9) [13469] Rev Polarity Protection
by Wes Spence <ac5k@ih2000.net>
- 10) [13470] Rev polarity
by Ron <rong@slip.net>
- 11) [13471] Thanks!
by cjcole <cjcole@ames.net>
- 12) [13472] QRP Power Level on AM?
by nq2rp@juno.com (B/BAMS Club Station)
- 13) [13473] Wire/Rope Half Square
by jdenison@morelr.com (JOEL DENISON)
- 14) [13474] 28 Mhz Beacons
by n4so@juno.com (charles k brown)
- 15) [13475] Re: Peanut whistle URL
by "George T. Baker" <w5yr@swbell.net>
- 16) [13476] Re: Gap review in Rad Com
by Monte Stark <ku7y@dri.edu>
- 17) [13477] Light weight backpacking
by Jerry Parker <jparker@fix.net>
- 18) [13478] RE: MFJ mods///73 mag.need copies
by RangerSF5@aol.com
- 19) [13479] FORGOT THE DATE

- by RangerSF5@aol.com
- 20) [13480] 40-9er mods please
by "Kelly Ellison" <kelman@dialnet.net>
- 21) [13481] Why not 24 Volts
by "Ronald H. Evans" <rhevan1@ibm.net>
- 22) [13482] re: easy transverter (update)
by Joachim Seibert <jseibert@hermes.desy.de>
- 23) [13483] Why Call CQ?
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 24) [13484] Spectrum Analyzer
by "Robert D. Haslach" <rhaslach@CapAccess.org>
- 25) [13485] FS: Yaesu FT-301S, FV-301, FP301
by n3bj@hotmail.com
- 26) [13486] Re: Why not 24 Volts
by Zack Lau <zlau@arrl.org>
- 27) [13487] Re: QRP Power level on AM?
by w4pj@w4bkx.ampr.org
- 28) [13488] Re: Rev polarity
by mikemo@ibm.net
- 29) [13489] FS: KD1JV SASA Mk II kit
by Roger Hightower <n7kt@earthlink.net>
- 30) [13490] Ten Tech Web site ?
by KF4EIB@aol.com
- 31) [13491] Re: Antennas West, GOOD NEWS
by jaywa5whn@juno.com (Jay D Miller)
- 32) [13492] RE: Rev Polarity Protection
by cy r currier <crc3@telplus.net>
- 33) [13493] RE: MILLIWATTING
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 34) [13494] Re: Rev Polarity Protection
by Brian Chesire <BCChesire@worldnet.att.net>
- 35) [13495] So. Cal. Field Day Sites.
by Keith Martin <bmartin@ccosmo.net>
- 36) [13496] Antennas West
by Bob Hightower <ki7mn@dancris.com>
- 37) [13497] 24 volt rigs
by "KA5T Larry Wise" <lewise@inetport.com>
- 38) [13498] RE: Rev Polarity Protection
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 39) [13499] Cap Rotor Plates question?
by tom whalen <whalen@swcp.com>
- 40) [13500] HW-8 IC1
by "Ron Polityka" <wb3aal@talon.net>
- 41) [13501] Re: FS: KD1JV SASA Mk II kit
by Roger Hightower <n7kt@earthlink.net>
- 42) [13502] Customer Home
by "Ron Polityka" <wb3aal@talon.net>
- 43) [13503] lectrokit

- by bkobie@webtv.net (patrick obrien)
- 44) [13504] Antennas West
by Bob Hightower <ki7mn@dancris.com>
- 45) [13505] Re: communication trivia
by Lynn Simons <lsimons1@ix.netcom.com>
- 46) [13506] Bell Industries
by "Ron Polityka" <wb3aal@talon.net>
- 47) [13507] Re: Light weight backpacking
by Joe Gervais <vole@primenet.com>
- 48) [13508] AB7TT's 3-Season Backpacking/QRP Load
by Joe Gervais <vole@primenet.com>
- 49) [13509] 2N4416 versus PN4416
by "John A. Evans - N0HJ" <jaevals@codenet.net>
- 50) [13510] FS... HW-7 with LAMBDA P.S.
by Lisa Osier <osier@northnet.org>
- 51) [13511] Re: AB7TT's 3-Season Backpacking/QRP Load
by "John J. McDonough" <jjmcd@mdn.net>
- 52) [13512] NM Star Party Spcl Event Stn on.
by Goemans <jgoemans@facstaff.wisc.edu>
- 53) [13513] 2 to 1 balun
by ac5ez@webtv.net (Larry B)
- 54) [13514] stright key
by "Jim R. Hatfield" <jhatfiel@mail.orion.org>
- 55) [13515] Rotor plates
by tom whalen <whalen@swcp.com>
- 56) [13516] Why not 3V?
by Zack Lau <zlau@arrl.org>

Date: 19 Jun 1998 18:44:19 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [13461] Gap review in Rad Com
Message-ID: <n1313840602.72380@msmailgw1.arlut.utexas.edu>

Accurate comparisons of antennas have to be done on an antenna range, and have to compare apples to apples. Even if both antennas are verticals there are major differences in a Butternut trap quarter wave vertical and a Gap that affect any off air signals comparison.

The Butternut feeds at the Bottom, and thus has highest current there at ground level.

The Gap feeds 12 and 1/2 feet up from the bottom, and if elevated as most do the Titan, it ends up as much as say 18 feet up for the high current point above ground. (This should be better, as you are reducing the coupling into lossy ground.) But it means the voltage distribution on the antenna is

different from the other type of vertical.

Now it is possible with 6 radials, you have more conductor in the Butternut with those radials thus having more conductor than the Gap with only its 40 inch radius (30 foot circumference) counterpoise. I have used the Butternut, and as others have said it is a bear to tune. You do not have to lay radials with the Gap Titan and you do not have to tune anything, it is ready to go out of the box once bolted together.

What I suspect happens when you attempt to compare a ground fed vertical to an asymmetric vertical dipole like the Gap with off air signals, is that you hear and transmit optimally on one antenna at a certain take off angle, and on the other antenna at another take off angle for a given band. That particular day, you MIGHT hear some signals louder on a band from one antenna than the other because the angles of propagation favored that antenna. That is the reason, to REALLY test an antenna with simple home measurements, you should use a more repeatable test like transmit Field Strength out some distance from each antenna (1/4 mile?), in several directions, and average the field strength readings to get a true view of the efficiency of radiation of each antenna.

I think I saw part of the Rad Com review of the Gap printed somewhere, and I believe, if what I saw was the Rad Com piece, it was not totally clear on the theory and construction of the Gap.

The Gap designs are based on IEEE Antennas group professional papers on Asymmetrical Vertical Dipoles. (These are used in the Broadcast industry in South America.) The dipole feed in the Gap is combined with a clever use of a capacitor loaded coax stub inside the antenna to match it on 80M even though its main mast is only 25 feet long for the Titan Model. (The coax is longer inside, zigzagging in the large diameter main tubing). The other thing done to the dipole is to use open circuit Transmission line sections of parallel aluminum rod to decouple some of the dipole antenna length on each side to resonate on the higher bands.

Another clever trick was to use a 30 foot counterpoise wire and tubing element at the bottom to extend the length of antenna on one side of the gap feed, but to coil this up in a 40 inch radius circle, thus creating both a counterpoise to the higher bands, and a resonant element on 40M.

As someone said, the ability of raising the feedpoint up and no radials and tuning needed are attractive features for a vertical.

I would not take a comparison of off air signals with more than a grain of salt, but of course, we all like to talk about what we work with an antenna, and over time, perhaps our uses will average out to some conclusion, such as the one I made about the Hy Gain AVT-18 I had before the Gap Titan, when I concluded the Hy Gain was not doing a very good job for me. Upon measuring it with an Autek RF-1 before taking it down, I noted loss of resonance on some

ham bands, and shifted resonance from my preferred regions of bands.

Antennas are fun because we can always find something new to try, and each new antenna seems to work better until it ages, and another new idea comes along to take our fancy, and when put up, to convince us it is the greatest. It surely would be nice to have the time (and money!) to try all kinds!
72, Stuart K5KVH

Date: Fri, 19 Jun 1998 17:52:52 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [13462] FS: commodore items
Message-ID: <19980619.175252.6686.3.w0yse@juno.com>

Gang,

I have an "ancient" Commodore "PLUS-4" computer that I presume could be used for logging, etc. It has power supply and TV connector cable/switch. There is built-in software on ROM: word processor, spreadsheet, Data base, and BASIC. No disk drive, sorry. Includes a user manual and a software manual. I would be happy to ship it to someone CONUS for \$20, ppd.

Also have the commodore printer MPS 801 with manual. It will work with the Plus-4, the C-64, the VIC-20 and some other commodore computers. I will ship it to you CONUS for \$30. The cable is missing but I will include two RS DIN plugs to use to make a cable.

Thanks for the BW.

---72/73's
Neil, w0yse since '54
now from Layton, Utah

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Or call Juno at (800) 654-JUNO [654-5866]

Date: 19 Jun 1998 18:55:03 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-1@Lehigh.EDU

Subject: [13463] Another answer for power out
Message-ID: <n1313839942.11656@msmailgw1.arlut.utexas.edu>

Someone asked about measuring QRP power.

My favorite solution in a kit is the \$49 Ten Tec power and SWR meter kit.

It has a strong double wall steel case that keeps the coax from dragging the watt meter off the desk. (If you insist on RG-8 or 9913!) That case means the meter is magnetically shielded, rare in amateur radio products today!

It is easy to build, and covers both HF and VHF. It has two pickup units.

The one for HF is like the Stockton power meter made famous by SPRAT.

The VHF one is a miniature Monimatch stripline.

The factory calibration is 20 watt and 200 watt scales, but during the calibration step a twist of 2 pots gives you 2 watt scale and a 20 watt scale or even some other combination like 2W and 200 watt. The 2 watt calibration gives plenty of scale deflection for even the 250 mw transceivers like the Forty-niner kit, and similar ones like the SMITE.

There is both internal 9 volt battery power, and an external power jack for main station supply of the DC. This powers an op amp meter amplifier. The meter is quite legible, even if smaller than another kit mentioned.

There are no other dual frequency range kits that I am aware of.

72, Stuart K5KVH, satisfied owner of several Ten Tec kits and rig.

Date: Fri, 19 Jun 1998 16:54:44 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Neil Klagge <w0yse@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13464] Re: FS: commodore items
Message-ID: <Pine.LNX.3.96.980619165201.1734A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 19 Jun 1998, Neil Klagge wrote:

> Gang,

>

> I have an "ancient" Commodore "PLUS-4" computer that I presume could be

> used for logging, etc. It has power supply and TV connector
> cable/switch. There is built-in software on ROM: word processor,
> spreadsheet, Data base, and BASIC. No disk drive, sorry. Includes a user
> manual and a software manual. I would be happy to ship it to someone
> CONUS for \$20, ppd.

While I'm not interested in the C= Plus/4 computer, I would like to let everyone know that the Commodore 64's floppy disk drive, model 1541, *WILL* work with the Plus/4. The reason is that ALL Commodore home computers use the same serial bus architecture. Also note that 1571 and 1581 disk drives (normally associated with the Commodore 128) will also work, as they are all backward compatible with the 1541.

Just wanted to let you folks know, in case you were looking for a disk drive; now you know what to look for. :-)

```
=====
KC5TJA/6      |                -| TEAM DOLPHIN |-
DM13          |                Samuel A. Falvo II
QRP-L #1447   |                http://www.dolphin.openprojects.net
=====
```

Date: Fri, 19 Jun 1998 19:08:33 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [13465] Re: Gap review in Rad Com
Message-ID: <000701bd9bdf\$916e9e40\$8f538bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I remember reading in one of the Amateur Radio magazines, many years back, that it doesn't much matter what someone else is hearing and working...it matters most what you can hear and work. Then that, for you, becomes your DX.

So, as far as the GAP Titan I just installed. I am happy. It is my first commercial antenna since I obtained my license back in the doldrums of the last solar cycle prior to this cycle. Wire antennas certainly have uses, but my Xyl got really tired of my collection of dipoles. So, the GAP Titan makes her happy and that is one quality an antenna must have. It's hard to measure, but you'll know it when you have it.

So here in East Central Illinois the GAP plays nicely, indeed.

By the by, I just got my SW 40+ operational. Hope to work you guys and gals in upcoming days and weeks.

73,

Terry, KA9TXE

Date: Fri, 19 Jun 1998 20:16:54 -0400
From: "C. Lamar Derk" <n3at@epix.net>
To: low power amateur radio discussion <qrp-l@Lehigh.EDU>
Subject: [13466] Thanks, guys!!!!
Message-ID: <358AFF16.3C61@in.epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am grateful to the fellows who responded to my question re crystals in the Elmer 101 rig!!! Your helpfulness and willingness to assist in this project are much appreciated. Thank you again!!! Hope I can some day in some small way repay your kindness.

72 de Lamar
QRP-L, NORCAL, ARCI, NJQRP

Date: Fri, 19 Jun 1998 18:55:31 -0500
From: Frank Kienast <fgk@gte.net>
To: qrp-l@Lehigh.EDU
Subject: [13467] New Call
Message-ID: <358AFA73.2EDB@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just wanted to let everyone on the list know that I passed my CW test last Saturday and now have an Advanced class call (I had previously passed the General and Advanced theory but not the code). I knew I would upgrade eventually, since I had already passed the theory, but it would no doubt have taken me a lot longer if I had not gotten so much help and encouragement from the group. I was the one who posted all the "QRP Novice Advice" questions a couple of months ago. This group helped

me solve my antenna problems, giving me a chance to make contacts on the air and improve my CW skills. Now I have access to QRP calling frequencies plus new bands, and can join in the QRP contests. I am also happy with the call I got - it has a nice pattern to it in CW.

Thanks everyone for your help and encouragement.

Frank Kienast
KG9NZ (Formerly KB9QEI)

Date: Fri, 19 Jun 1998 18:38:43 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [13468] Antennas West, GOOD NEWS
Message-ID: <2.2.32.19980620013843.006dae7c@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Someone posted a question about what ever happened to Antennas West.

The bad news:

Antennas West went by the wayside.

The good news is not all is lost!

"Radio Paul" has taken the place of Antennas West, and as I understand it has purchased the rights to manufacture and distribute the Antennas West Antennas.

Radio Paul also carries many other antennas.

I am in the process of doing up a Web Page for Paul so all will be online shortly.

Give Paul a call at: 505 - 898 - 3049

As with many manufacturers/distributers in our hobby Paul has a day job also so call him in the evening. If you miss him he does have a answerphone on the line and will return your call.

Hope this has been helpful....

72,,,Jerry...WA6OWR...K

Date: Fri, 19 Jun 1998 20:23:42 -0500
From: Wes Spence <ac5k@ih2000.net>
To: qrp-l@Lehigh.EDU
Subject: [13469] Rev Polarity Protection
Message-ID: <358B0F1E.1464@ih2000.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Guys:

Solve the risk of reverse polarity protection the easy way:

Use a bridge rectifier with the AC connections to the DC input of your rigs and the DC output of the rectifier to the rig. That way, there is no need to ever sweat reverse polarity again-- the rig will be just as happy no matter which way you do it. Be sure the bridge is properly rated for the current your rig will need.

72, Wes, AC5K

Date: Fri, 19 Jun 1998 18:40:59 -0700
From: Ron <rong@slip.net>
To: qrp-l@Lehigh.EDU
Subject: [13470] Rev polarity
Message-ID: <358B132B.205F@slip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just be aware of the voltage drop across a rectifier. About .7 volts.

Date: Fri, 19 Jun 98 20:40:06 -0600
From: cjcole <cjcole@ames.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [13471] Thanks!
Message-ID: <199806200149.UAA05583@brain.ames.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Thanks for the help with my mag-mount. I will be getting back to you guys on what happens.

72s/73s

KC0DBO

Date: Fri, 19 Jun 1998 22:00:21 EDT
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-l@Lehigh.EDU
Subject: [13472] QRP Power Level on AM?
Message-ID: <19980619.215943.10319.0.nq2rp@juno.com>

Too quick on the key here, so I will toss this out to the List.

As of now, the FCC is listing all power limits based on Peak Envelope Power (PEP), including AM (A3a???)
Based on 100% modulation, double sideband and the carrier, the PEP output is four times the carrier. The maximum power allowed on AM per Part 97 is 375 watts carrier, or 1500 watts PEP.

The accepted "Phone" limit for QRP has been 10 watts PEP (5 watts PEP in ARRL contests and operating events such as Field Day), so based on this, the maximum carrier one should have on QRP AM to stay within the spirit of the "standards" is 2.5 watts, which will result in 10 watts PEP with 100% modulation.

One can do a lot with 2.5 watts of AM on 10 Meters and higher. I worked 35 states on 6 Meters with that power level, and this was a combination of base, portable and bicycle mobile with a Lafayette HA-650 and a Hy-Gain halo.

10 Meter AM is found from 28.95 - 29.15 MHz, with the biggest concentration in the 29.05 MHz area. The 73 magazine Converted CB "Bandplan" recommended moving the CB channel up 2 MHz, or 23 "channels" from 28.965 MHz to 29.255 MHz. There was a big gang on those spots in the 1977 - 1982 era. Anyone else still have a converted Radio Shack

Micro-23 in the shack?

72/73, Keith, WB2VUO at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 19 Jun 1998 22:09:52 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [13473] Wire/Rope Half Square
Message-ID: <199806200309.WAA24121@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

High Gang:

Well, I felt a bit better today and tackled a forty meter antenna project... A two element Half Square up a bit over 35ft...

did the no-brain figuring for forty meters 68ft on top and 34ft coming down on each end... also put a director fourteen feet in front of the driven...

the director was 6% shorter... $68 \times .94 =$ and $34 \times .94 =$

Hearing a lot of stations tonight and the band seems weird. Will give a report on operation after I get to play with it for a few days... as band conditions seem really weird tonight. The swr is low and I don't need the tuner on cw but use it on the phone band (7.233.5) also use the tuner on thirty... don't recall the swr but it was not 1:1 and I did not feel like pruning...

I also put a half square up for thirty... hearing europe fairly well... again let me play with it a few days and I'll report what happens...

I fed the two antennas with one coax.... On one side of the antennas I have the insulator connected to the rope holding the antenna and taped the coax to the rope and made connections to the driven element on forty and thirty... they are seperated about six feet or so...

So the rope is supporting the coax and this gives me a good 90* exit from the feed point... I'm not satisfied with the rope support and will probably add another rope or two along with a director toward europe on

thirty...

I would like to end up with a three element half square but my energy level isn't there yet and what I have up will give me some air time...

With all the rain up heah I will probably miss the augusta club field day event... hope u have better luck where u are...

Anyhow, I have been wondering what a good low angle antenna would do with this location... I guess I might find out now... :-)

PS

The artery by-pass seems to have been a great success this time... I'm really happy with what my doctor did... things are healing fast... It makes me real happy to be able to brag on my doc's work... I can live with that :-)

God Bless

joel wa5cvm, north of dixieland, but south of bangor maine...

God Bless

Joel

WA5CVM

Joel Denison

PO BOX 542

Strong, Maine 04983

jdenison@morelr.com

Gentlemen don't Cry, They QSY :-)

Gentle Lady (RC Sail Plane)(049 engine - start)

2 element yagi on 40mtr

QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765

AK/QRP 109

Date: Fri, 19 Jun 1998 23:36:07 EDT

From: n4so@juno.com (charles k brown)

To: qrp-l@Lehigh.EDU

Subject: [13474] 28 Mhz Beacons

Message-ID: <19980619.103451.7175.11.n4so@juno.com>

Some 28 Mhz Beacon stns have e-mail so you can send signal reports to the operator.

Example: AB8Z/B Parma (28.240)

is showing ab8z@hotmail.com

Source was QRZ.com

My Beacons list is from ZS5S which is as up to date as any I have seen.

Ken Brown, N4SO

QTH nr Mobile, AL/ EM50tk

qrp-l #622

n4so@juno.com

You don't need to buy Internet access to use free Internet e-mail.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 19 Jun 1998 23:13:37 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: donroher@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13475] Re: Peanut whistle URL
Message-ID: <358B36F1.EBF14A2F@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just one question: how do you work around the fact that the R-10 has such broad filters that it receives cw on both sides of zero beat, just like a simple direct-conversion receiver? I enjoy the R-10 very much for casual listening and band checking, but I would hate to try working anyone on a crowded band using it. What am I missing?

--
72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

DONALD I ROHER wrote:

>
> THIS RIG IS BUILT BY BILL HIMSELF ON A SMALL RADIO SHACK BOARD ABT 2"X
> 3".
> TRUST ME THEY WORK.....
>
> I GET ABT ONE WATT, OTHERS REPORT ABT TWO WATTS.
>
> I AM SORRY TO ADMIT THAT THIS IS THE MOST DEPENDABLE XMTR WE HAVE IN THE
> COLLECTION, ALSO TAKES THE LEAST SPACE. WE USE IT WITH THE ICOM (KNOCK
> YOU SOCKS OFF) IC-R10 (ABT 1'X 2 1/2 X 6"). THIS MAKES ONE OF THE
> SMALLEST STATIONS WITH A GOOD RECEIVER YOU CAN PUT TOGETHER WITH OUT
> BUILDING IT YOURSELF.
>
> On Fri, 19 Jun 1998 06:52:26 -0400 K4AHK@ix.netcom.com writes:
> >I looked at the page for the peanut whistle transmitter but did not
> >see
> >any dimensions for this unit. Anybody know the size of the circuit
> >board - L X W X H ?
> >

> >Bill - K4AHK
> >

Date: Fri, 19 Jun 1998 21:30:19 -0700
From: Monte Stark <ku7y@dri.edu>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13476] Re: Gap review in Rad Com
Message-ID: <358B3ADB.E6183A65@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Stuart,

I don't think I agree with you about the comparison of off the air signals.

When both antennas are at the same location and used with the same equipment I think that is by far the best way to evaluate their performance.

This does need to be done over a sufficient period of time to allow for many different propagation conditions.

The question (I think) is "Which antenna should I buy" or some variant of that. The need for radials is one of the questions to help make a choice. One thing that needs to be seen is how does a system with radials compare to a system without radials.

Driving around taking field strength measurements is fine if you can control the far field interference issue. Otherwise the numbers only mean anything for your location.

If you only take the field strength measurements from ground level you will have an idea of how the ground wave pattern might be but I'm not sure that you will know anything at all about the higher angles that we find so useful at HF.

The bottom line for any antenna is how it works. To follow your logic is to say that I should not compare my vertical to my yagi. I would say that if my yagi didn't out do the vertical then I sure wasted a lot of money! The only way I can tell if it was worth it is to check to see which antenna makes a signal easier for me to copy and which one makes my signal easier for the other station to copy.

In my case I don't care if my vertical is the best or worst in the world. Or if my yagi is the best or worst. I just want to know if the yagi I have is doing a better job for me than the vertical I have.

(For those who wonder, there are many times that I can have a nice Q5 rag chew with a signal using the yagi that I can't even hear on the vertical! The vertical is a DX77 at 27' and the yagi is a Force12 C4SXL/H at 85', everything fed with 75 ohm CATV hard line or drop line).

Before I had the DX77 I was using a single 24' pipe mounted on a 4x4 post with a few radials around 40' long. I used this on 40m through 10m. Fed with CATV drop line. When I installed the DX77 I did many, many checks to see which one was best. The DX77 was better on all bands except 30m. At 24' the pipe was a good, full sized 1/4 vertical on 30m and was better than the loaded vertical.

You make a good point about antenna problems. When doing any antenna comparisons ALL antennas must be working "right" or there is nothing to compare. And they must all be up at the same time so that you can flip a switch to check the difference. If you are having to install and remove antennas to make the check, all bets are off and I'd agree with Stuart. In that case you will never really be sure which one does a better job.

Like the saying about the man who has one watch always knows what time it is and the fellow who has two is never really sure.... :-)

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP ARCI #8829-----NorCal #330-----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Fri, 19 Jun 1998 22:05:25 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [13477] Light weight backpacking
Message-ID: <2.2.32.19980620050525.00bf5814@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would like to start a thread on light weight

backpacking.

I have the following questions for those who backpack.

What are you carrying for gear?

Have you done or considered optimizing your station for minimum weight?

Does anyone out there carry a rig without a cabinet in bubblepack for instance?

How about weight vs batteries?

Solar?

Feed line?

Tuner vs no tuner?

Band?

Antenna?

And of course, what kind of back packing do you do with your station. Day packing, overnigheters, long term?

Thanks and 72,,,Jerry...WA6OWR...K

Date: Sat, 20 Jun 1998 01:11:19 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13478] RE: MFJ mods///73 mag.need copies
Message-ID: <f886eb7a.358b4478@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

Anyone out there in radio land have an issue of 73 magazine?

It has an page or two in that issue titled*More Gadgets for your MFJ 9020.*
I understand that it also has the audio modification.
If someone can send me copies it will really help me and a lot of other MFJ
owners as I'm collecting all the modifications I can,copy them to a disk and
upload to who ever needs them.
Just tell me where to send the M0 for your time,paper posage etc.
Many thank in advance and also I like to thank Larry,AC5EZ for sending me the
information in regards to the 73 Mag
Bob
WA2HOQ

Date: Sat, 20 Jun 1998 01:20:02 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [13479] FORGOT THE DATE
Message-ID: <81cbfa79.358b4683@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Sorry guys,
it's getting late or early and I forgot to give the date of that 73 magazine.
the date of the issue for the MFJ mods is OCT,1993
Bob
WA2HOQ

Date: Sat, 20 Jun 1998 01:59:37 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13480] 40-9er mods please
Message-ID: <199806200659.BAA25600@mail.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Made a QSO with KF4VT0 tonight with the Forty-9er. I noticed the
frequency shift from rx to transmit is small. Is there a rit mod or
something like that to compensate? I saw a web site somewhere that had
some mods. Please let me know. Thanks.

Kelly -- WB0WQS
kelman@dialnet.net

Date: Sat, 20 Jun 1998 09:31:50 +0200
From: "Ronald H. Evans" <rhevan1@ibm.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13481] Why not 24 Volts
Message-ID: <000201bd9c1d\$7e1482e0\$5c0c5c8b@hal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gentlemen:

This weekend I was reading my copy of "Solid State Design for the Radio Amateur" and noticed how many times a reference to some device or other noted that the efficiency or performance was better at 24 volts input than at 13.8. I know that running my QRP rigs on 24 Volts would be only a matter of placing an extra gel-cell in series with the one I am already using.

W1FB always seemed to like 24 Volts for his MOSFET RF Amplifier circuits. As I understand the problem, efficiencies of over 90 % are possible with MOSFET's at 24 Volts where at 13.8 Volts you have to use high standing currents to get good output. The idea (I think) is that if the efficiency is increased, the total number of watt-hours of power used is decreased even though the voltage is increased. My understanding of this whole problem is limited and I wonder if the more experienced people on the list could give me an insight?
72, Ron K4KTB

Date: Sat, 20 Jun 1998 10:47:11 +0200 (MET DST)
From: Joachim Seibert <jseibert@hermes.desy.de>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13482] re: easy transverter (update)
Message-ID: <Pine.SGI.3.95.980620104529.29013C-100000@hermes.desy.de>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi microwatters!

The article I mentioned was published in UKW-Berichte 1/80. I looked that up. Sorry for the misleading year information of my last post.

72s Joachim

--

Joachim Seibert, DESY / HERMES
Notkestr. 85
D-22607 Hamburg, Germany
Phone: +49 40 8998 3983
FAX: +49 40 8998 4034
Mailto:Joachim.Seibert@desy.de

Date: Sat, 20 Jun 1998 06:10:14 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [13483] Why Call CQ?
Message-ID: <Pine.GS0.3.96.980620060021.5532F-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Feedback on my distributed item has been so positive and return thoughts so interesting that I have placed a version of the item at my website (URL in signature line). I cleaned up a few sentences, because I composed the original on-line.

I have had an inquiry about its reproduction in print media. I certainly have no objection if anyone thinks the item might be useful to those without e-mail or web facilities. I only request that I be notified and that a copy of the issue in which it might appear be sent to me for my records. No payment is needed, in case anyone might wonder. If so used, please use the web version, since it has the clarifying word or two added to various sentences.

I only hope that it captures a tiny portion of the spirit of amateur radio that we all share.

My thanks to all who have replied with interest.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\ /\ *	/ / /	(Off)(423) 974-7215
1434 High Mesa Drive	/ \/ \/\	----/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\ \ \ \	/ / /	(FAX)(423) 974-3509

37938-4443 USA / \ \ \ \ || cebik@utk.edu
URL: <http://web.utk.edu/~cebik/radio.html>

Date: Sat, 20 Jun 1998 06:20:38 -0400 (EDT)
From: "Robert D. Haslach" <rhaslach@CapAccess.org>
To: qrp-1@Lehigh.EDU
Subject: [13484] Spectrum Analyzer
Message-ID: <Pine.SUN.3.91-FP.980620061905.13666A-1000000@cap1.capaccess.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Any suggestions about types, brands, prices for a spectrum analyzer
capable of covering the spectrum up to 6GHz? I think my bench needs one.

Regards, N3FRT
Robert D. Haslach
Bye

Date: Sat, 20 Jun 1998 12:27:46 GMT
From: n3bj@hotmail.com
To: qrp-1@Lehigh.EDU
Subject: [13485] FS: Yaesu FT-301S, FV-301, FP301
Message-ID: <199806201227.HAA11407@x11.dejanews.com>

For sale: Yaesu FT-301S QRP rig, nice shape, works fine. Classic, rare,
black faced 160-10 meter QRP (no WARC) xcvr. Includes Yaesu CW filter.
Great RF speech processing -- \$275 shipped

FV-301 VF0, nice shape, works fine - \$90 shipped

FP-301 power supply, overkill for the FT-301S - \$75 shipped

Manuals included.

Package deal -- \$400 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Sat, 20 Jun 1998 09:17:03 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [13486] Re: Why not 24 Volts
Message-ID: <358BB64E.15E5@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've published amp circuits running 24 volts and as far as I can determine, they just aren't very popular. I don't think its my choice of bands--1.8 to 54 MHz and 2M pretty much covers it for a lot of QRP types--Zack W1VT

Date: Sat, 20 Jun 1998 05:49:23 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [13487] Re: QRP Power level on AM?
Message-ID: <10394@w4bkx.ampr.org>

Kieth, WB2VU0 wrote in a previous post about 26MHz to 29MHz conversions...

Converting CBs ?

I saw a series of posts some time ago regarding the conversion of CBs to 6 meters. I saved the ones I read to disk, but there were several of the series that I was unable to read/download (missing).

Has anyone on this list done this (11m to 6m) conversion to a AM/SSB CB ?

I would be interested in knowing the procedure. I have toyed with the idea of converting one to 10m and using as the IF for a transverter, but would prefer to bypass the xvertr and make the mods directly, saving the extra steps.

de W4PJ (Scott)

----- 73 -----

Date: Sat, 20 Jun 1998 09:26:15 -0400
From: mikemo@ibm.net
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13488] Re: Rev polarity
Message-ID: <358BB877.729A@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron wrote:

>

> Just be aware of the voltage drop across a rectifier. About .7 volts.

For a full wave bridge like was mentioned, wouldn't it be 1.4 volts?
That's kind of high if you are trying to squeeze out more efficiency.

How about using a relay with a 12 volt coil. Connect the coil between the + and - inputs, in series with a diode so that it only turns on with the polarity correct. Then use the relay contacts to provide power to the rig. This should give reverse polarity protection (relay won't turn on) and has practically no effect on the voltage supplied. It does add another mechanical component though, and does draw more current from the supply to keep the relay closed.

Date: Sat, 20 Jun 1998 06:39:04 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "azqrp@dancris.com" <azqrp@dancris.com>
Subject: [13489] FS: KD1JV SASA Mk II kit
Message-ID: <358B5908.71B411EF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I picked this kit (unbuilt) up from Scott, NF3I but haven't gotten around to starting it. Turns out I don't really have a need for it.

So, here 'tis. One KD1JV SA/SA Mk II 1 to 100 Mhz Spectrum Analyzer Scope Adapter.....still a kit, with manual.

\$115.00 shipped. I know someone can put this to good use.

Tnx/72...Roger

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

"The problem with doing nothing is not knowing when you're finished"
(Nelson DeMille)

Date: Sat, 20 Jun 1998 09:37:51 EDT
From: KF4EIB@aol.com
To: qrp-l@Lehigh.EDU
Subject: [13490] Ten Tech Web site ?
Message-ID: <44a5a8c6.358bbb30@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

Is there a web site to check out the Ten-Tech watt meter kit?
Thanks in advance !

72,
Gordon kf4eib
Fists # 4336

Date: Sat, 20 Jun 1998 07:47:35 -0600
From: jaywa5whn@juno.com (Jay D Miller)
To: qrp-l@Lehigh.EDU
Cc: radiopaul@juno.com, jparker@fix.net
Subject: [13491] Re: Antennas West, GOOD NEWS
Message-ID: <19980620.074751.9254.0.JayWA5WHN@juno.com>

qrp-lers,

WR7J, Paul aka "Radio Paul" & wife have a new born baby @ home. Sleep ?
What's that with a new born ? Paul - WR7J's email address is
radiopaul@juno.com. Paul WR7J will be at the Ft. Tuthill {Flagstaff, AZ.}
Hamfest {arcathill@aol.com} in July camping out in the QRP area. Maps to
the QRP camping area @ Ft. Tuthill are available at
<http://www.dancris.com/~ki7mn/>.

@ T minus 7 days & counting until Field
Day...Jay, WA5WHN DM65qd Albuquerque, NM USA

Date: Sat, 20 Jun 1998 22:10:38 -0400
From: cy r currier <crc3@telplus.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>, "'ac5k@ih2000.net'"
<ac5k@ih2000.net>
Subject: [13492] RE: Rev Polarity Protection
Message-ID: <01BD9C98.4D5C5260@bgr52.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

this works great if u can tolerate the voltage drop. k1tes

From: Wes Spence
Sent: Friday, June 19, 1998 9:23 PM
To: Low Power Amateur Radio Discussion
Subject: Rev Polarity Protection

Hey Guys:

Solve the risk of reverse polarity protection the easy way:

Use a bridge rectifier with the AC connections to the DC input of your
rigs and the DC output of the rectifier to the rig. That way, there is
no need to ever sweat reverse polarity again-- the rig will be just as
happy no matter which way you do it. Be sure the bridge is properly
rated for the current your rig will need.

72, Wes, AC5K

Date: Sat, 20 Jun 1998 11:21:45 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-1@Lehigh.EDU>
Subject: [13493] RE: MILLIWATTING
Message-ID: <01bd9c56\$c1221a00\$07199e03@luis>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am really interested in MILLIWATT experiments...
Seems like the theoretical foundations of propagation via an ionized medium
(the ionosphere) are a bit in trouble after hams started demonstrating that
they could communicate using powers in the below 100 milliwatt range.
Heard of some cases in which 15 milliwatt was enough to complete two way
QSO's...
My question for today...
What is the lowest power ever to have provided a 2 way QSO via the
ionosphere ?
I count sporadic E too...
And... of course, I am not talking about sophisticated computerized signal
recovery and processing technniques that may enhance reception by
many more dB's !!!

Arnie Coro C02KK

Date: Sat, 20 Jun 1998 08:18:41 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: ac5k@ih2000.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [13494] Re: Rev Polarity Protection
Message-ID: <358BD2D1.284F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use a different approach, which has no voltage drop and only costs me
an occasional fuze when I hook up backwards. I put fuse in line followed
by a 10 amp diode across the line. Correct polarity, nothing happens.
Reverse polarity the fuze blows.

73's WA5PP0
Tucson, AZ

Date: Sat, 20 Jun 1998 08:26:12 -0700

From: Keith Martin <bmartin@ccosmo.net>
To: <qrp-1@Lehigh.EDU>
Subject: [13495] So. Cal. Field Day Sites.
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-ID: <15267.898356372.64967865.26951@>
Content-Disposition: inline

Does anyone know of a field day site on Saddleback Mountain or in the Idylwild area?

Thanks for any info.

Keith

Date: Sat, 20 Jun 1998 09:12:15 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [13496] Antennas West
Message-ID: <199806201558.IAA24191@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who gave me info on the demise of Antennas West. There may be another supplier, and if it pans out, I'll post it to the list.
Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Sat, 20 Jun 1998 15:07:27
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [13497] 24 volt rigs
Message-ID: <199806201607.LAA09009@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It would seem to me that the reason that 24-28 or even higher rigs have not been popular is the fewer power supplies available at that power.

However, with the advent of the regulator chips that will provide a higher as well

as a lower voltage, maybe that will change...Seems to me that if you could use the less expensive 6 volt batteries and the more efficient 24-28 volt devices you would have the best of both worlds...5 watts is 5 watts... right???

Who'll be the first to bring forth one of these systems????

Larry KA5T

Date: Sat, 20 Jun 1998 12:03:50 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <crc3@telplus.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [13498] RE: Rev Polarity Protection
Message-ID: <000501bd9c6d\$68e52d20\$703247cf@homedad.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you can't stand the voltage drop here's a "destructive" solution. Place a hefty diode across the supply input. Then, place a fuse large enough to handle the load of your rig BEFORE the diode. If your power gets reversed the diode will present a direct short and will blow the fuse. With this solution you don't have to worry about the voltage drop of the in-line diode or bridge.

Kevin

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> cy r currier
> Sent: Saturday, June 20, 1998 9:11 PM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Rev Polarity Protection
>
>
> this works great if u can tolerate the voltage drop. k1tes
>
> -----
> From: Wes Spence
> Sent: Friday, June 19, 1998 9:23 PM
> To: Low Power Amateur Radio Discussion

> Subject: Rev Polarity Protection
>
> Hey Guys:
>
> Solve the risk of reverse polarity protection the easy way:
>
> Use a bridge rectifier with the AC connections to the DC input of your
> rigs and the DC output of the rectifier to the rig. That
> way, there is
> no need to ever sweat reverse polarity again-- the rig will be just as
> happy no matter which way you do it. Be sure the bridge is properly
> rated for the current your rig will need.
> 72, Wes, AC5K
>
>
>

Date: Sat, 20 Jun 1998 09:05:13 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13499] Cap Rotor Plates question?
Message-ID: <358BCFA8.CBB@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hola QRPer's!

Just picked up another HW-8 to play with. This one came with all the rotor plates off of the shaft! I tried to squeeze them back into place with no luck. I know I can not solder them in. Any ideas out there? Only thing left I can think of is to maybe use some liquid solder. What do you think?

Maybe someone out there has a dead HW-8 they are parting out?

Any ideas would be welcome. Thanks and best 72, Tom WB5QYT

--

Enjoying QRP and QRP-L!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-Kite antennas- RR mobile

Date: Sat, 20 Jun 1998 13:18:05 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13500] HW-8 IC1
Message-ID: <003b01bd9c6f\$68b2e7a0\$0f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Who was looking for the IC1 (MC1496G) for their
HW-8 rig? Please e-mail me, I have a source for you.

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Sat, 20 Jun 1998 10:27:13 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "azqrp@dancris.com"
<azqrp@dancris.com>
Subject: [13501] Re: FS: KD1JV SASA Mk II kit
Message-ID: <358B8E81.56D23DDA@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The SASA Kit has been spoken for.

72..Roger

--

72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ
"The problem with doing nothing is not knowing when you're finished"
(Nelson DeMille)

Date: Sat, 20 Jun 1998 13:53:32 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13502] Customer Home
Message-ID: <005201bd9c74\$7f404620\$0f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I found Bell Industries Web page, this has a good parts search.
Bell Industries has JW Miller chokes and other electronic parts.
Good research place!

[https://207.82.215.5/CTIB/CLASS=Home?SESSION=DMI.PRODUCTION.CENTRAL.SESSRV.2
&SESSIONID=65e32ffc593352f77d413c2ec6557764](https://207.82.215.5/CTIB/CLASS=Home?SESSION=DMI.PRODUCTION.CENTRAL.SESSRV.2&SESSIONID=65e32ffc593352f77d413c2ec6557764)

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Sat, 20 Jun 1998 13:01:17 -0500
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@Lehigh.EDU
Subject: [13503] lectrokit
Message-ID: <199806201801.LAA14791@mailtod-131.iap.bryant.webtv.net>

Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

HAS ANYONE USED THE LECTROKIT THE QRP 5 WATT CRYSTAL CONTROLLED XCVR?
PROS OR CONS ABOUT IT..DONT SEE ANY MENTIONED OF THEM IN THIS QRP-L OR
CONTESTS...73 PAT/K8LEN

Date: Sat, 20 Jun 1998 11:28:03 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [13504] Antennas West
Message-ID: <199806201813.LAA11403@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to Jay Miller WA5WHN and Jerry Parker WA6OWR, we now know that Radio Paul, in NM, has picked up the inventory of Antennas West. The TN is 505-898-3049, and his e-mail is radiopaul@juno.com

Jerry says he is working on a web page for Radio Paul, and will have it up soon.

Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Sat, 20 Jun 1998 13:59:35 -0500
From: Lynn Simons <lsimons1@ix.netcom.com>
To: keith@g8izz.demon.co.uk
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13505] Re: communication trivia
Message-ID: <358C0697.AAE0E25B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Priority gives it a run for its money too.

Date: Sat, 20 Jun 1998 15:42:21 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [13506] Bell Industries
Message-ID: <008d01bd9c83\$b21c7460\$0f5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry guys, I had the wrong address. Click on electronics
and then Line Card. That should work, I found this by typing
different addresses.

<http://www.bellind.com/>

73, Good DXing & QRPing
Ron de WB3AAL

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EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Sat, 20 Jun 1998 13:08:49 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [13507] Re: Light weight backpacking
Message-ID: <199806202008.NAA17535@usr05.primenet.com>

Howdy Jerry and folks,

Jerry (WA6OWR) wrote:

>

> I would like to start a thread on light weight backpacking.

There are VERY few topics that could get me to break
my work-imposed "Vow of Ignoring Life" during my
deadline-plagued month, but this happens to be one of

them. :)

(Guess this means I can knock out some more email too, since I've already transgressed....)

Somewhere between passion and obsession lies my joy of lightweight backpacking/QRP. Probably leaning toward obsession... *8-)

> What are you carrying for gear?

It's important to remember where REALLY counts - that you enjoy your trip. Everyone has different needs/wants on the trail. Don't compromise enjoyment for the sake of weight. But nearly everyone can shed about 10 lbs from their pack with minimal effort. Happier back and feet = more smiles on the trail.

I'll send a FULL inventory (3-season) following this. Please bear in mind that I've got quite a few miles/nights under my boots and I know my limits. My TOTAL backpack load weighs less than 17 lbs. That INCLUDES the QRP station, but NOT food and water.

May be too austere for some, but I have everything I need for safety/comfort, whether I'm on an overnighiter or a two-week trek. Same basic load.

The key to successful lightweight backpacking is that the gear not only needs to be light, but highly effective, efficient, and of quality construction. We want to travel light, not dangerously....

> Have you done or considered optimizing your station for minimum weight?

Yep! Total station weight (rig, tuner, batts, antenna, cables, key) is about two pounds for a day's worth of operating. Hope to get it to one pound soon, possibly using a Rainbow vs. the ZM-2 for longer trips. See inventory at the end....

> Does anyone out there carry a rig without a cabinet in bubblepack for instance?

My personal choice is to avoid that. I need the cabinet to protect the rig. Squirrels, wind, me, we've all knocked the station over at some point. :) That weight savings is

minimal anyway (for an SST/NC-40a-type rig) compared to, say, a tent that weighs 3 lbs less than your current one.

Get rid of the pounds first, *then* worry about the ounces.

> How about weight vs batteries? Solar?

Low-drain rigs are a must for long trips. I favor the SST-20 since the band is a good choice most of the time, the rig is VERY small/light yet still quite functional, and has low drain for rcv/xmit. I have a small solar panel (25mA vs. the SST's 15mA(?) rcv drain), but so far 8-AA's have worked for me. Check out Bob AB7ST's previous messages re: new ultralight efficient batteries used for R/C planes. That's my next project!

> Feed line? Tuner vs no tuner?

Feedline = weight/bulk. Tuner = weight, but increases operating flexibility *considerably*. I use my ZM-2 - small yet very efficient and effective. A Rainbow tuner is much lighter, if you plan to use only end-fed wires. I prefer to avoid feedline for lightweight backpacking - see next paragraph.

> Antenna?

Speaking of end-fed wires, the end-fed half-wave is the BEST FRIEND a backpacker ever had! Only need to get ONE end of the wire into the trees. No feedline, just hook it up to a balanced tuner (ZM-2, etc) and lay out the counterpoise. I use teflon-coated 22- or 24-ga wire. Strong enough, but light as a feather! Someone on the List sells the stuff. I need to buy more!

> And of course, what kind of back packing do you do with > your station. Day packing, overnigheters, long term?

All of the above. Last jaunt was Grand Canyon Rim-to-Rim-to-Rim over 2.5 days. Lightweight wasn't a luxury, it was a necessity. :) My station will be coming along with me for a week of off-trail backpacking in the High Sierras this summer, too. If all goes well, I'll be doing the NERDS event at 11,000 ft. :)

Some good ultralight backpacking websites:

<http://www.backpacking.net/contents.html>

<http://www.monmouth.com/~mconnick>
<http://www.transport.com/~ray316/index.html>

OK.... Back to the data mines, 'ere my Corporate Masters discover I was enjoying my Saturday instead of crafting my next C++ masterpiece. :-)

Someone please work some DX for me - I'm getting withdrawal symptoms! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
- Dave Rose, Fellow Snow Camper

Date: Sat, 20 Jun 1998 13:18:20 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [13508] AB7TT's 3-Season Backpacking/QRP Load
Message-ID: <199806202018.NAA17879@usr05.primenet.com>

AB7TT's 3-Season Lightweight Backpacking Inventory

(Items in parentheses are optional, not always brought along)

Best viewed using a constant-width font like Monaco...

CORE

Backpack (Gregory Gravity, 3000 cu)
Bivy Sack (OR Advanced Goretex)
Ultralight Down Bag (Marmot 775-fill)
3/4-length Sleeping Pad (RidgeRest, 9ozs)
Plastic groundsheet (4 Mil, 6'x2')

SURVIVAL

1st Aid Kit

CLOTHES

Boots (Raichle Spirit II)
Pile Jacket (PolarTec Fleece)
Nylon Anorak (REI)
Goretex Rain Pants
Sock Liners (2 pr.)
"SmartWool" Socks (2 pr.)
Shorts (1 pr.)
T-Shirt (1)
Long Underwear Top (Expedition-weight)
Long Underwear Bottoms (lightweight)
Balaclava

Leatherman "Micra"
Maglite (Supermini - AAA batts)
Candles (2 - BDay)
Two AAA batts (extra)
Compass (orienteering)
Map
Whistle (plastic)
Iodine Tablets
Space Blanket (superlite)
Signal Mirror (coated plastic)
Sewing Needle

MISC

Watch
Parachute Cord (50 ft)
Pen/Pencil
Plastic garbage bag (many uses!)
(Camera - Olympus Stylus 35mm)
(Water Filter - PuR Voyageur)

HAM RADIO

SST-20 xcvr
ZM-2 Tuner
Whiterook paddle
34 Ft 24-Ga Teflon-coated wire (I NEED TO BUY MORE!)
17 Ft 24-Ga Counterpoise
AA Batts (8) - May try AAA for "quickie" operating....
Batt Holder/Connector
Headphones ("Ear Buds")
Coax Stub (SST<-->ZM-2)
Key Cable
(25-mA Solar Panel)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."

- Dave Rose, Fellow Snow Camper

Umbrella (9 ozs, superlight/compact)
Underwear (2 pr.)
Gloves (cutout fingertips)
Sunglasses

HOUSEKEEPING/KITCHEN

Dental Floss (a few feet - sewing/etc)
TP (Just enough...)
Supersponge (cutdown)
Water Bottles (2-One Qt)
Spoon (plastic)
Titanium pot (1.2 liter)
Whisperlite Stove (Replace w/ Esbit!)
8-0z Fuel Bottle (Swap for fuel tabs!)

mounted speaker, cosmetically in very good condx...power supply is in good condx and adjustable plus or minus 5%...HW-7 needs some tweeking but runs fine... all for \$70.00 i ship...

Tnx and 73s,
George Osier N2JNZ

Date: Sat, 20 Jun 1998 19:36:19 -0400
From: "John J. McDonough" <jjmcd@mdn.net>
To: <vole@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [13511] Re: AB7TT's 3-Season Backpacking/QRP Load
Message-ID: <199806202216.6664800@midland2.mdn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Joe Gervais <vole@primenet.com>; owner-qrp-1@Lehigh.EDU
>
> Best viewed using a constant-width font like Monaco...

For those of you who don't use Macs, he means Courier (well ... not exactly but close enough).. ;-)

72/73 de WB8RCR

Date: Sat, 20 Jun 1998 16:20:28 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-1@Lehigh.EDU
Subject: [13512] NM Star Party Spcl Event Stn on.
Message-ID: <199806202119.QAA46904@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Worked W5P special event a bit ago, Jay WA5WHN at the mic, 14.253khz QRO. He said they will try 30 mtrs later "this evening" around 10.116, I assume QRP. Go get 'em!

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

Date: Sat, 20 Jun 1998 16:20:55 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [13513] 2 to 1 balun
Message-ID: <199806202120.0AA18963@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

I need a 2:1 balun and I cant remember who makes those things. My mind has gone blank. Can someone send me that info?

Larry Ac5ez
Qcwa

Date: Sat, 20 Jun 1998 17:13:26 -0500 (CDT)
From: "Jim R. Hatfield" <jhatfiel@mail.orion.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13514] stright key
Message-ID: <Pine.GS0.3.96.980620170258.24615B-100000@orionc0>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have an old stright key and need help to identfy it. It has enclosed contacts,black krinkel finish. Made by Telephonica Corp.NY. also has these numbers CTE-26003A stamped. Anybody know anything about this key? tnx for the bandwith DE Jim

Date: Sat, 20 Jun 1998 14:23:52 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [13515] Rotor plates
Message-ID: <358C1A58.40CD@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hola QRPer's!

Got the idea to use some brass stock from the hobby shop for plates in my variable cap. So far so good! Got the plates cut and shaped thanks to my dremel tool! Now, to install the plates and put a dab of solder to hold em in. Will let you know if it works. 72, Tom WB5QYT

--

Enjoying QRP and QRP-L!

Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396

Home of the "spud gun antenna launcher"-Kite antennas- RR mobile

Date: Sat, 20 Jun 1998 18:34:46 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [13516] Why not 3V?
Message-ID: <358C3906.3D60@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there much interest in 3 volt QRP gear?

I have a pair of 35mm cameras that run off 3V lithiums--I'm sure there is still a bit of life left in them even when they don't run the motors--ought to be able to run a 100 mW QRP rig.

Finding parts that run off 3 volts isn't that difficult these days--its actually the hot "new" voltage for portable electronics.--Zack W1VT

End of QRP-L Digest 1128
